Index to Volume 56

Author Index

Abbott, Isabella A. and Karla J. McDermid
On Two Species of *Kallymenia* (Rhodophyta: Gigartinales: Kallymeniaceae) from the Hawaiian Islands, Central Pacific, 149–162
Appelgate, Dianna M.
Contact Dermatitis Outbreak on the University of Hawai'i Campus (abstract), 83

Bailey-Brock, J. H., B. Paavo, B. M. Barrett, and J. Dreyer
Polychaetes Associated with a Tropical Ocean Outfall: Synthesis of a Biomonitoring Program off O'ahu, Hawai'i, 459–479
Barrett, B. M.—*see* Bailey-Brock et al.
Bazúa-Durán, Carmen
Geographic Variations in the Whistle Repertoire of Hawaiian Spinner Dolphins *(Stenella longirostris)* (abstract), 84
Benz, George W., Kazuya Nagasawa, and Jeremy Wetmore
New Host and Ocean Records for the Parasitic Copepod *Bobkabata kabatabobbus* (Lernaeosoleidae: Poecilostomatoida), 259–262
Branstetter, Brian
Horizontal Angular Discrimination by an Echolocating Bottlenose Dolphin *(Tursiops truncatus)* (abstract), 84
Brooks, Fred E.
Brown Root Rot Disease in American Samoa's Tropical Rain Forests, 377–387
Brown, Eric K.
Coral Recruitment Patterns at Selected Sites around West Maui (abstract), 85
Bursey, Charles R.—*see* Goldberg et al.

Caldwell, R. L.—*see* Huffard and Caldwell
Carlton, J. T.—*see* Eldredge and Carlton
Cheng, Lanna and Robert L. Pitman
Mass Oviposition and Egg Development of the Ocean-Skater *Halobates sobrinus* (Heteroptera: Gerridae), 441–445
Chua, Pong Kian
Modulation of Adhesion Molecules by TNF-α and Salicylic Acid in Human Coronary Artery Endothelial Cells: Pathogenic Mechanisms in Kawasaki Syndrome (abstract), 85
Coles, S. L.—*see* Hutchings et al.
Coles, S. L. and L. G. Eldredge
Nonindigenous Species Introductions on Coral Reefs: A Need for Information, 191–209
Cowie, Robert H. and Rebecca J. Rundell
The Land Snails of a Small Tropical Pacific Island, Aunu'u, American Samoa, 143–147
Crooks, Jeffrey A.
Predators of the Invasive Mussel *Musculista senhousia* (Mollusca: Mytilidae), 49–56
Cushman, Buffy J.
Geochemistry of Plume-Ridge Interaction at the Galápagos Spreading Center (abstract), 86

DeLong, Caroline M.
Acoustic Analysis of Objects Ensonified by a Bottlenose Dolphin *(Tursiops truncatus)* during a Cross-Modal Matching Task (abstract), 86
Diamond, Jared
Dispersal, Mimicry, and Geographic Variation in Northern Melanesian Birds, 1–22
Dirnböck, Thomas—*see* Greimler et al.
Dreyer, J.—*see* Bailey-Brock et al.

Earle, John L.—*see* Randall and Earle
Eckert, Steve M.
Effects of Angiotensin II and Natriuretic Peptides on Prolactin and Growth Hormone Release from the Pituitary of the Tilapia, *Oreochromis mossambicus* (abstract), 87
Eldredge, L. G.—*see* Coles and Eldredge
Eldredge, L. G. and J. T. Carlton
Hawaiian Marine Bioinvasions: A Preliminary Assessment, 211–212

Fautin, Daphne G., Tracy R. White, and Katherine E. Pearson
Two New Species of Deep-Water Corallimorpharia (Cnidaria: Anthozoa) from the Northeast Pacific, *Corallimorphus denhartogi* and *C. pilatus*, 113–124
Fitzgerald, Tim
Electroreception in Juvenile Sandbar Sharks, *Carcharhinus plumbeus* (abstract), 87

Garrison, Geoffrey H.
Sea Level Change and Deforestation on the 'Ewa Plain of O'ahu during Polynesian Settlement: A Case for Coincidence (abstract), 88
Garrison, Jennifer E.
Effects of Alien Tree Plantations on Koa Germination and Survival (abstract), 88
Gemma, J. N.—*see* Koske and Gemma
Goldberg, Stephen R., Fred Kraus, and Charles R. Bursey
Reproduction in an Introduced Population of the Brown Anole, *Anolis sagrei*, from O'ahu, Hawai'i, 163–168
Greimler, Josef, Patricio Lopez S., Tod F. Stuessy, and Thomas Dirnböck
The Vegetation of Robinson Crusoe Island (Isla Masatierra), Juan Fernández Archipelago, Chile, 263–284
Gruner, Daniel S.
Bottom-Up Influences in a Hawaiian Arthropod Community (abstract), 89

Gussman, Oliver A. and Abigail M. Smith
Mixed Siliciclastic-Skeletal Carbonate Lagoon Sediments from a High Volcanic Island, Viti Levu, Fiji, Southwest Pacific, 169–189

Hadfield, Michael G.—*see* Zabin and Hadfield
Hearty, Paul J.
The Ka'ena Highstand of O'ahu, Hawai'i: Further Evidence of Antarctic Ice Collapse during the Middle Pleistocene, 65–81
Hebshi, Aaron
Timing of Breeding in a Hawaiian Seabird: Why Is It So Predictable? (abstract), 89
Hewitt, Chad L.
Distribution and Biodiversity of Australian Tropical Marine Bioinvasions, 213–222
Hilliard, R. W.—*see* Hutchings et al.
Huffard, Christine L. and R. L. Caldwell
Inking in a Blue-Ringed Octopus, *Hapalochlaena lunulata*, with a Vestigal Ink Sac, 255–257
Hunter, Cynthia L.—*see* Smith et al.
Hutchings, P. A., R. W. Hilliard, and S. L. Coles
Species Introductions and Potential for Marine Pest Invasions into Tropical Marine Communities, with Special Reference to the Indo-Pacific, 223–233

Kido, Michael H.—*see* Sherwood and Kido
Kimbell, Jennifer
Symbiont-Induced Changes in Gene Expression in the Light Organ of the Host Squid *Euprymna scolopes* (abstract), 90
Kimbell, J. R., M. J. McFall-Ngai, and G. K. Roderick
Two Genetically Distinct Populations of Bobtail Squid, *Euprymna scolopes*, Exist on the Island of O'ahu, 347–355
Kirkendale, Lisa—*see* Paulay et al.
Koske, R. E. and J. N. Gemma
Mycorrhizal Status of Two Hawaiian Plant Species (Asteraceae) in a Tropical Alpine Habitat: The Threatened Haleakalā Silversword *(Argyroxiphium sandwicense* subsp. *macrocephalum)* and the Endemic *Dubautia menziesii*, 423–430
Kraus, Fred—*see* Goldberg et al.
Kyomo Sr., Joel
Timing and Synchronization of the Breeding Period in *Pilumnus vespertilio* (Crustacea: Pilumnidae) in Subtropical Okinawa, Japan, 317–328

Lam, Phillis
Ammonia-Oxidizing Bacteria in a Hydrothermal Plume (abstract), 90
Lambert, Gretchen—*see* Paulay et al.
Lambert, Gretchen
Nonindigenous Ascidians in Tropical Waters, 291–298
Lammers, Marc O.
Localizing Dolphin Acoustic Signals Using a Three-Hydrophone Towed Array: Preliminary Findings (abstract), 91
Lammers, Shelly J.
Resurrection and RAPDs: A New Look at the Endemic *Sophora chrysophylla* (Fabaceae) (abstract), 91
Langston, Ross
Spawning Dynamics of Hawaiian Sanddivers *Limnichthys donaldsoni and Crystallodytes cookei* (Teleostei: Creediidae) (abstract), 92
Lee, Patricia N. K. L.
Hox Gene Expression during Development of the Sepiolid Squid *Euprymna scolopes* (abstract), 92
Leedom, Thomas A.
Effects of Blood Withdrawal on Plasma Prolactin, Growth Hormone, and Drinking in the Tilapia *(Oreochromis mossambicus)* (abstract), 93
Liebherr, James K. and Raina Takumi
Introduction and Distributional Expansion of *Trechus obtusus* (Coleoptera: Carabidae) in Maui Hawai'i, 365–375
Longenecker, Ken
Role of Food in Community Structure of Reef Fishes (abstract), 93
Lopez S., Patricio—*see* Greimler et al.
Luesch, Hendrik
Search for New Antitumor Drugs from Marine Cyanobacteria (abstract), 94

Male, Timothy D.
Rats Versus Bugs: Importance of Seed Predator Biology for Plants (abstract), 94
Matus, David
Where Do Arrow Worms Belong? A Phylogenetic Study of a Marine Chaetognath, *Fasciflagitta enflatta* (abstract), 95
McClung, Andrew
Mating System Parameters and Viable Population Sizes (abstract), 95
McCosker, John E.
Notes on Hawaiian Snake Eels (Pisces: Ophichthidae), with Comments on *Ophichthus bonaparti*, 23–34
McDermid, Karla J.—*see* Abbott and McDermid
McFall-Ngai, M. J.—*see* Kimbell et al.
McLaughlin, Patsy A. and Cory Pittman
Reinstatement and Rediagnosis of *Catapaguroides setosus* and Description of a Second Hawaiian Species of the Genus (Decapoda: Anomura: Paguridea: Paguridae), 41–48
Meyer, Carl
Are Hawai'i's Marine Reserves Large Enough? The Waikīkī Marine Life Conservation District as a Case in Point (abstract), 96
Meyer, Chris—*see* Paulay et al.
Moretzsohn, Fabio
Use of Dried Tissues and Molluscan Shells for Molecular Systematics of Rare Mollusks (abstract), 96

Nagasawa, Kazuya—*see* Benz et al.

Paavo, B.—*see* Bailey-Brock et al.
Parchaso, Francis and Janet K. Thompson
Influence of Hydrologic Processes on Reproduction of the Introduced Bivalve *Potamocorbula amurensis* in Northern San Francisco Bay, California, 329–345
Paulay, Gustav, Lisa Kirkendale, Gretchen Lambert, and Chris Meyer
Anthropogenic Biotic Interchange in a Coral Reef Ecosystem: A Case Study from Guam, 403–422
Pearson, Katherine E.—*see* Fautin et al.
Pittman, Cory—*see* McLaughlin and Pittman
Pitman, Robert L.—*see* Cheng and Pitman
Pitman, Robert L. and Charles Stinchcomb
Rough-Toothed Dolphins *(Steno bredanensis)* as Predators of Mahimahi *(Coryphaena hippurus)*, 447–450
Polhemus, John T.—*see* Smith et al.
Poss, Stuart G.—*see* Randall and Poss

Randall, John E.
Aseraggodes holcomi, a New Sole (Pleuronectiformes: Soleidae) from the Hawaiian Islands, 247–253
Randall, John E. and G. Keoki Stender
The Nibbler *Girella leonina* and the Soldierfish *Myripristis murdjan* from Midway Atoll, First Records for the Hawaiian Islands, 137–141
Randall, John E. and John L. Earle
Review of Hawaiian Razorfishes of the Genus *Iniistius* (Perciformes: Labridae), 389–402
Randall, John E. and Stuart G. Poss
Redescription of the Indo-Pacific Scorpionfish *Scorpaenopsis fowleri* and Reallocation to the Genus *Sebastapistes*, 57–64
Restom, Teresa
Effects of Forest Species Composition on Rainfall Interception in the Honouliuli Preserve Watershed (abstract), 97
Riley, Larry G.
Hypothalamic Regulation of Growth Hormone Cell Function in the Tilapia, *Oreochromis mossambicus* (abstract), 97
Roderick, G. K.—*see* Kimbell et al.
Rundell, Rebecca J.—*see* Cowie and Rundell
Rundell, Rebecca J.
Aspects of the Evolution of Hawaiian Endemic Succineid Land Snails (abstract), 98

Scrosati, Ricardo—*see* Servière-Zaragoza and Scrosati
Seale, André P.
Osmoreception: The Essential Modality for a Euryhaline Life (abstract), 98
Servière-Zaragoza, Elisa and Ricardo Scrosati
Reproductive Phenology of *Pterocladiella capillacea* (Rhodophyta: Gelidiales) from Southern Baja California, Mexico, 285–290
Sherwood, Alison R. and Michael H. Kido
Watershed-Scale Comparisons of Algal Biodiversity in High-Quality Proximate Hawaiian Stream Ecosystems, 431–440
Simonovich, Catherine J.
Ethical Issues Surrounding Somatic Cell Gene Therapy (SCGT) (abstract), 99
Smith, Abigail M.—*see* Gussman and Smith
Smith, Celia M.—*see* Smith et al.
Smith, David G., John T. Polhemus, and Eric A. VanderWerf
Comparison of Managed and Unmanaged Wedge-Tailed Shearwater Colonies on O'ahu: Effects of Predation, 451–457
Smith, Jennifer E., Cynthia L. Hunter, and Celia M. Smith
Distribution and Reproductive Characteristics of Nonindigenous and Invasive Marine Algae in the Hawaiian Islands, 299–315
Stender, G. Keoki—*see* Randall and Stender
Stinchcomb, Charles—*see* Pitman and Stinchcomb
Stuessy, Tod F.—*see* Greimler et al.
Sunobe, Tomoki—*see* Taru and Sunobe

Takumi, Raina—*see* Liebherr and Takumi
Taru, Masanori and Tomoki Sunobe
Reproductive Ecology of the Gobiid Fish *Eviota abax* at Nobeoka, Japan, with Notes on Geographic Variation, 35–40
Thompson, Janet K.—*see* Parchaso and Thompson

VanderWerf, Eric A.—*see* Smith et al.

Wetmore, Jeremy—*see* Benz et al.
Wetterer, James K.
Ants of Tonga, 125–135
White, Tracy R.—*see* Fautin et al.
Whittle, Amber
Nearshore Currents in Hanauma Bay, O'ahu, Hawai'i, and Their Possible Relationship to Larval Ecology (abstract), 99
Wilkinson, Mindy
Asymmetric Impacts of Mycorrhizae and Fire on Competitive Interactions among Grasses (abstract), 100

Zabin, Chela and Michael G. Hadfield
Do Locals Rule? Interactions between Native Intertidal Animals and a Caribbean Barnacle in Hawai'i, 235–236

Subject Index

Acacia koa, effects of alien tree plantations on, 88–90
algae, marine, distribution and reproductive characteristics of nonindigenous, in Hawai'i, 299–315
algal biodiversity in Hawaiian streams, 431–440
anole, brown—see *Anolis sagrei*
Anolis sagrei, reproduction in Hawai'i, 163–168
Anomura, 41–48
Anthozoa, 113–124
ants, of Tonga, 125–135
Argyroxiphium sandwicense subsp. *macrocephalum*, mycorrhizal status, 423–430
arrow worms—see *Fasciflagitta enflatta*
arthropods, Hawaiian, bottom-up influences, 89
ascidians, nonindigenous, in tropical waters, 291–298
Aseraggodes bolcomi, n. sp. from Hawai'i, 247–253
Asteraceae, 423–430

bacteria, ammonia oxidation, 90–91
barnacle, interaction with native animals in Hawai'i, 235–236
birds, Northern Melanesian, dispersal, mimicry, and geographic variation, 1–22
Bobkabata kabatabobbus, new host and ocean records, 259–262

Carabidae, 365–375
Carcharhinus plumbeus, electroreception in, 87–88
Catapaguroides hooveri, n. sp., 41–48
Catapaguroides setosus, reinstatement and rediagnosis, 41–48
Cnidaria, 113–124
Coleoptera, 365–375
copepod, parasitic—see *Bobkabata kabatabobbus*
coral, recruitment patterns on Maui, 85
coral reef ecosystem, anthropogenic biotic interchange in Guam, 403–422
coral reefs, nonindigenous species introductions on, 191–209
Corallimorpharia, 113–124
Corallimorphus denbartogi and *C. pilatus*, n. spp., 113–124
Creediidae, 92
Crustacea, 317–328
Crystallodytes cookei, spawning dynamics, 92
cyanobacteria, search for antitumor drugs from, 94

Decapoda, 41–48
dermatitis, outbreak at University of Hawai'i, 83–84
dolphin, bottlenose—see *Tursiops truncatus*
Hawaiian spinner—see *Stenella longirostris*
rough-toothed—see *Steno bredanensis*
Dubautia menziesii, mycorrhizal status, 423–430

ecology, larval, nearshore currents and, 99–100
eels, snake, Hawaiian, 23–24
Euprymna scolopes, *Hox* gene expression, 92–93
symbiont-induced changes in light organ, 90
two genetically distinct populations on O'ahu, 347–355
Eviota abax, reproductive ecology, 35–40

Fabaceae, 91–92
Fasciflagitta enflatta, phylogenetic study, 95
finch, Laysan—see *Telespyza cantans*
fishes, reef, role of food in community structure, 93–94
forest species, effects on rainfall interception, 97

Galápagos Spreading Center, geochemistry, 86
Gelidiales, 285–290
Gerridae, 441–445
Gigartinales, from Hawai'i, 149–162
Girella leonina, first record from Midway Atoll, 137–141
grasses, impacts of mycorrhizae and fire, 100

Haleākala Silversword—see *Argyroxiphium sandwicense* subsp. *macrocephalum*
Halobates sobrinus, mass oviposition and egg development, 441–445
Hapalochlaena lunulata, inking, 255–257
Heteroptera, 441–445

Iniistius, review of Hawaiian, 389–402
Isla Masatierra—see Robinson Crusoe Island

Juan Fernández Archipelago—see Robinson Crusoe Island

Ka'ena Highstand, O'ahu, evidence of Antarctic ice collapse, 65–81
Kallymenia species, from Hawai'i, 149–162
Kallymeniaceae, from Hawai'i, 149–162
Kawasaki syndrome, pathogenic mechanisms, 85–86
koa—see *Acacia koa*

Labridae, 389–402
lagoon sediments, in Viti Levu, Fiji, 169–189
Lernaeosoleidae, 259–262
Limnichthys donaldsoni, spawning dynamics, 92

mahimahi—see *Coryphaena hippurus*
marine bioinvasions, in Hawai'i, 211–212
in tropical Australia, 213–222
marine pest invasions, in tropical marine communities, 223–233
marine reserves, size of, 96
Mollusca, 49–56
mollusks, molecular systematics, 96–97
Musculista senhousia, predators of, 49–56
mussel—see *Musculista senhousia*
Myripristis murdjan, first record from Midway Atoll, 137–141
Mytilidae, 49–56

nibbler—see *Girella leonina*

ocean-skater—see *Halobates sobrinus*
octopus, blue-ringed—see *Hapalochlaena lunulata*

Ophichthidae, 23–34
Ophichtus bonaparti, 23–34
Oreochromis mossambicus, effects of blood withdrawal, 93
  hypothalamic regulation of growth hormone cell function, 97–98
  osmoreception, 98–99
  prolactin and growth hormone studies, 87

Paguridae, 41–48
Paguridea, 41–48
Perciformes, 389–402
Pilumnidae, 317–328
Pilumnus vespertilio, timing and synchronization of breeding period in Okinawa, 317–328
Pisces, 23–34
Pleuronectiformes, 247–253
Poecilostomatoida, 259–262
polychaetes, biomonitoring program of an ocean outfall in Hawai'i, 459–479
Potamocarbula amurensis, influence of hydrologic processes on, in northern San Francisco Bay, 329–345
Pterocladiella capillacea, reproductive phenology, 285–290

razorfishes—see Labridae
recruitment, plant, seed predator biology, 94–95
Rhodophyta, 285–290
  from Hawai'i, 149–162
Robinson Crusoe Island, vegetation, 263–284
root rot disease, brown, in American Samoa, 377–387

sanddivers—see *Limnichthys donaldsoni* and *Crystallodytes cookei*
Scorpaenopsis fowleri, redescription and reallocation to *Sebastapistes*, 57–64
scorpionfish—see *Scorpaenopsis fowleri*, 57–64
sea level change, O'ahu, 88
shark, sandbar—see *Carcharhinus plumbeus*
Shearwater, Wedge-tailed, effects of predation on O'ahu colonies, 451–457
  timing of breeding, 89–90
snails, land, of Aunu'u, American Samoa, 143–147
  Hawaiian, aspects of evolution, 98
soldierfish—see *Myripristis murdjan*
Soleidae, 247–253
somatic cell gene therapy, ethical issues, 99
Sophora chrysophylla, genetic diversity, 91–92
squid—see *Euprymna scolopes*
Stenella longirostris, geographic variations in whistle repertoire, 84
  localizing acoustic signals, 91
Steno bredanensis, predators of mahimahi, 447–450

Teleostei, 92
Telespyza cantans, mating system and population size, 95–96
tilapia—see *Oreochromis mossambicus*
Trechus obtusus, introduction and distributional expansion in Maui, 365–375
Tursiops truncatus, acoustic analysis of objects, 86–87
  horizontal angular discrimination by, 84–85